

FIG.1

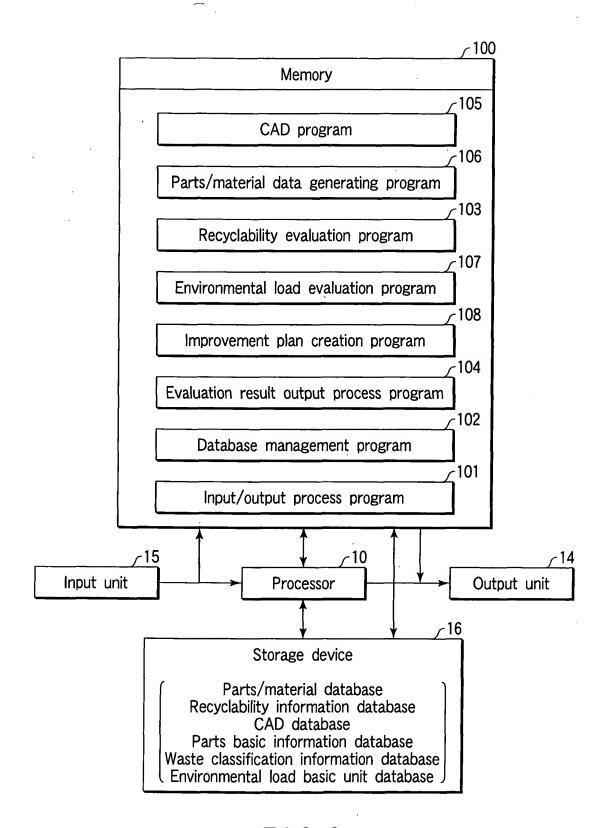
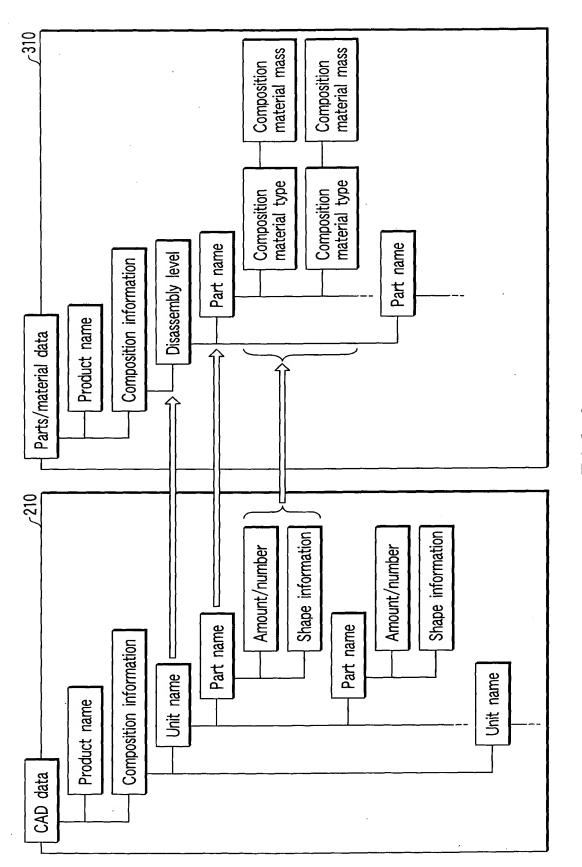
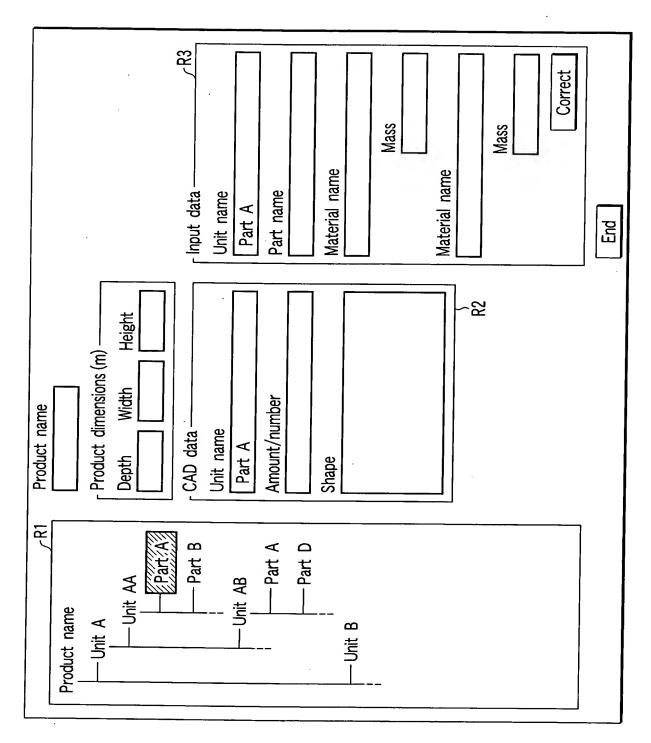


FIG. 2



F1G.3



F | G. 4

Parts basic information database

		Composition	material	-
Part name		Material type	Mass (g)	Density (g/m ³)
Part A	Metal	Metal (1-1-2) Metal (1-1-3)	250 20	
Part B	Metal	Metal (2-2-1) Metal (2-2-2)		10 20

FIG.5

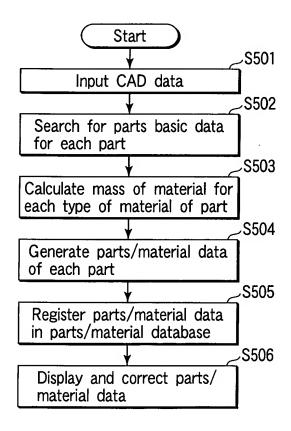


FIG.6

Parts/material database

Product name:

Product 1

Disassem	bly level						nateria ication/		
First		Second		Third	_	Metal			
disassem	bled part	disassembl	ed part	disassembled	part				
Article	Weight	Article		Article	Weight	Metal	Metal	Metal	Metal
name	/g	name	/g	name	/g	1	2	3	4
Part (1)		Part (1-1)		Part (1-1-1)	100		60	40	
		i		Part (1-1-2)	250	250			
			380	Part (1-1-3)	30	20			
		Part (1-2)		Part (1-2-1)	400				
				Part (1-2-2)	200				10
				Part (1-2-3)	50		50		
			700	Part (1-2-4)	50		50		
		Part (1-3)		Part (1-3-1)	1500				
	2780		1700	Part (1-3-2)	200				
Part (2)		Part (2-1)	2000		2000				
		Part (2-2)		Part (2-2-1)	200		200		
	2300		300	Part (2-2-2)	100	20		10	
Part (3)		Part (3-1)	100		100				
	300	Part (3-2)	200		200		200		
Total	5380		5380		5380	290	560	50	10

FIG.7A

					۸.						
Plastic	;			Others	S						
Resin 1	Resin 2	Resin 3	Resin 4	Glass 1	Glass 2	Glass 3	Paper 1	Paper 2		Fiber	Fats
											
10										_	
400											
	190										
	1480	10					10				
	1,00		200								
1200	800										
				70							
		-									100
1610	2470	10	200	70	0	0	10	0	0	0	100

FIG.7B

Basic procedure of recyclability evaluation

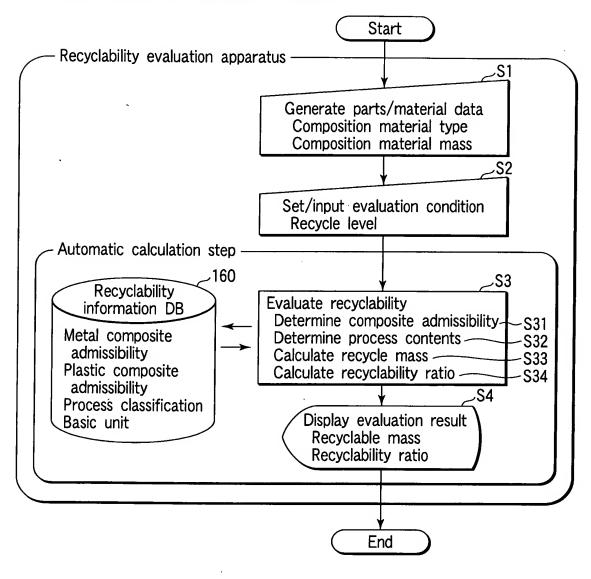
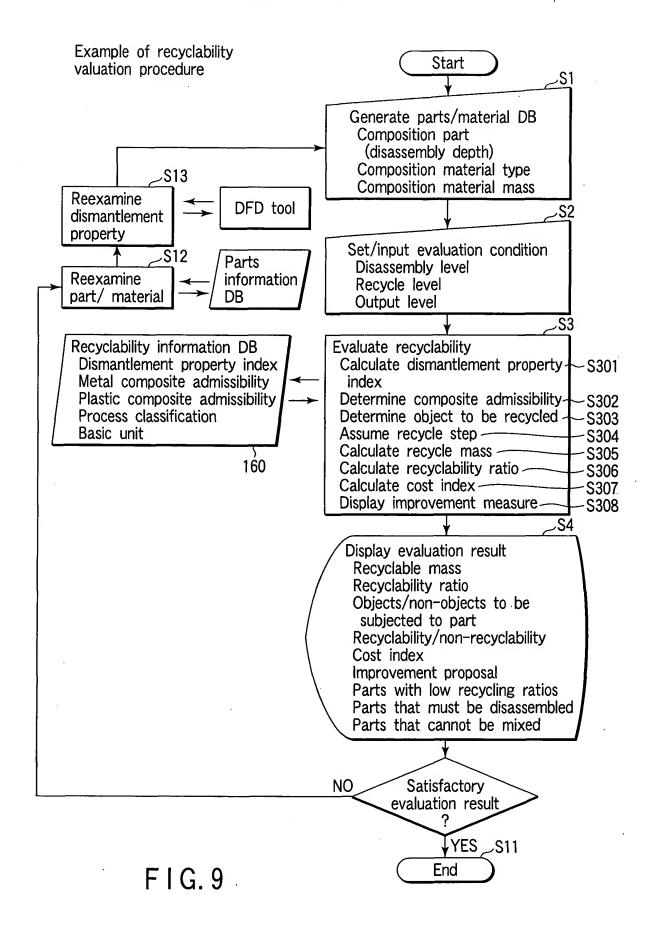


FIG.8



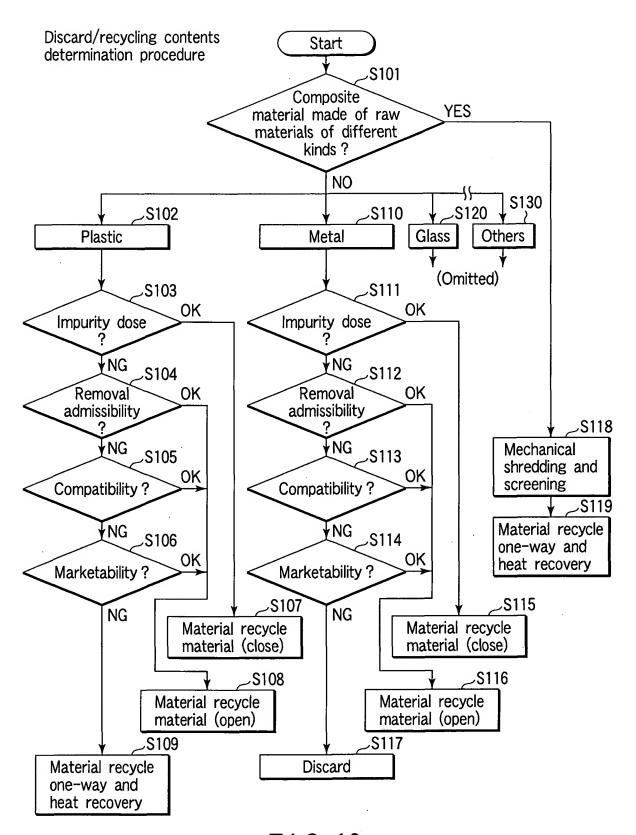


FIG. 10

Impurity permissible dose of plastic ~Impurity content~

	2	0.	0.	0	0	0.	0.	0.	0.	0.	0.	0.	
	Resin 12	1	1	1	1	1.	1.	1.	1.	1.	1.	1.	
	Resin 11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0
	Resin 10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0
	Resin 9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		0.5	0.5	0.5
	Resin 8	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0
	Resin 7	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0
	Resin 6	0.5	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	9.0	9.0
	Resin 5	2.0	2.0	2.0	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Resin 4	2.0	2.0	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<u>_</u>	Resin 3	2.0	2.0		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
component	Resin 2	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Second comp	Resin 1		1.0	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0	1.0
	/	Resin 1	Resin 2	Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10	Resin 11	Resin 12
		First	component										

(Note) (second component weight/first component weight) \times 100 [unit:%]

F. C.

Removal admissibility of plastic composite ~Discrimination/separation technique~

		Second com	component	<u>+</u>									
/		Resin 1	Resin 2	Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10 Resin 11	Resin 11	Resin 12
First	Resin 1		×	×	×	×	0	×	Image: Control of the	0	×	×	×
component	Resin 2	×		×	×	×	0	×	4	0	×	×	×
	Resin 3	×	×		×	×	0	×	∇	0	×	×	×
	Resin 4	×	×	×		×	0	×	abla	0	×	×	×
	Resin 5	×	×	×	×		0	X	◁	0	×	×	×
	Resin 6	0	0	0	0	0		0	0	×	0	0	0
	Resin 7	×	×	×	×	×	0		Image: Control of the	0	×	×	×
	Resin 8 △	◁	\triangleleft	∇	∇	abla	0	∇		0	∇.	4	
	Resin 9	0	0	0	0	0	×	0	0		0	0	0
	Resin 10 X	×	×	×	×	×	0	×	∇			X	×
	Resin 11 X	×	×	×	×	×	0	×	abla	0	×		×
	Resin 12 X	×	×	×	×	×	0	×	◁	0	×	×	

(Note) \bigcirc : Automatic screening technique is available \triangle : Automatic screening technique is available, and screening technique depends on shape etc \times : Screening is difficult

FIG. 12

~Compatible polymer blend and polymer alloy using compatibiliser~ Compatibility of plastic

	Second con	componen										
	Resin 1 Re	sin 2	Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10	Resin 11	Resin 12
Resin 1		S	C	n	3	3	3	2	၁	၁	n	၁
Resin 2	S		n	n	3	3	၁	2	၁	၁	3	၁
Resin 3	3	u		s, c	u	S	S	u	၁	u	s, c	u
Resin 4	n	u	s, c		u	၁	၁	n	၁	ပ	၁	ပ
Resin 5	C	၁	n	u		u	S	n	u	ပ	u	ပ
Resin 6	c	3	S	၁	u		၁	u	၁	၁	u	ပ
Resin 7	၁	3	C	၁	S	၁		၁	၁	u	J	ပ
Resin 8	3	3	n	u	n	u	၁		n	n	u	u
Resin 9	3	3	2	၁	u	၁	၁	u		ပ	S	L
Resin 10 c	၁	2	u	၁	၁	၁	u	u	S		S	L
Resin 11 n	u	3	s, c	၁	u	n	2	n	S	S		ပ
Resin 12 c	ပ	3	u	0	၁	၁	၁	u	u	u	၁	

(Note) s: Compatible polymer blendc: Incompatible polymer blend with precedent of alloy using compatibilisern: No compatibility information

~Commercially available polymer blend~ Marketability of plastic composite

	Second component Resin 1 Resin 2 Re	componer Resin 2	oner 2	<u>+</u> &	It Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10	Resin 11	Resin 12
	First	Resin 1		4	0			0	×		×	0	×	0
	nent		abla		×	4	×	×	4	×	×	×	×	0
		Resin 3	0	×			×	0	4	×	0	×	0	×
		Resin 4	×	∇	∇		×	×	d	×	×	4	×	×
		Resin 5		×	×	×		0	0	×	0	0	0	×
		Resin 6		×	0	×	0		0	×	×	0	0	0
		Resin 7		\triangleleft			0	0		0	0	×	0	0
		Resin 8	×	×	×	×	×	×	0		×	×	×	×
		Resin 9	×	×	0	×	0	×	0	×		4	0	×
		Resin 10	0	×	×		0	0	×	×	4		0	×
x x x 0 0 x x x 0 0		Resin 11	X	×	0	×	0	0	0	×	0	0		×
		Resin 12	0	0	×	×	×	0	0	×	×	×	×	

(Note) ○ : Commercially available blend composite
 △ : Combination with expected marketability
 X : Combination with low marketability

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Plastic composite admissibility for material recycle

	Resin 9 Resin 10 Resin 11 Resin 12	A D A	B B A	A D A D	B B B	A A B	A A A	B B	0 0 0	A D	D A	A A	
	Resin 8 F	B	D	0	<u>a</u>	/ 0	D B	BBB			D B	/ Q	4
	Resin 7	<u>~</u>	മ	മ	8	A	A		В	В	۵	В	٥
	Resin 6	⋖	മ	⋖	æ	A		А	۵	മ	×	А	<
	Resin 5	മ	മ	۵	О		А	А	a	A	A	А	٥
	Resin 4	۵۵	ပ	A		۵	В	В	a	В	В	В	٥
 	Resin 3	A	۵		A	Q	A	8	Q	· Y	a	¥	٥
component	Resin 2	A		D	3	В	В	В	Q	В	В	В	<
Second comp	Resin 1		A	٧	В	В	А	В	В	В	A	D	<
		Resin 1	Resin 2	Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10	Resin 11 D	Doc: 10 A
	/	First	component										

Explanatory Evaluation Details	Evaluation	Details	Classification
note	A	Potential demand of recycled article is present	Compatible polymer blend and commercially available polymer blend
	В	Composite admissibility may be present if new Incompatible polyme application purpose for recycled material is found using compatibiliser	Incompatible polymer blend with precedent of alloy using compatibiliser
	Ċ	Composite admissibility may be present upon technology development in future	Although marketability is expected, no precedent of alloy is present
IG. 15	Q	Separating is recommended, and dismantlement property needs to be increased	No marketability, no compatibility, and no precedent of alloy are present

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Metal composite admissibility for material recycle

		Second comp	component	rt L				1					
/		Resin 1	Resin 2	Resin 3	Resin 4	Resin 5	Resin 6	Resin 7	Resin 8	Resin 9	Resin 10 Resin 11	Resin 11	Resin 12
First	Resin 1		2	D	٧	A	В	В	В	В	ပ	æ	മ
component	Resin 2	A		A	A	A	A	3	A	D	A	٥	D
	Resin 3	ပ	၁		ပ	ပ	Ω	۵	۵	۵	ပ	۵	۵
	Resin 4	A	D	4		В	۵	۵	۵	۵	۵	۵	Ф
	Resin 5	۵	A	O	٥		۵	۵	۵	۵	A	A	V
	Resin 6	В	Q	D	۵	۵		۵	۵	۵	۵	۵	Ω
	Resin 7	В	D	Q	۵	Ω	۵		۵	۵	۵	۵	۵
	Resin 8	В	a	Q	۵	٥	٥	D		۵	۵	۵	۵
	Resin 9	В	Q	Ω	۵	٥	۵	٥	۵		۵	۵	Q
	Resin 10 A	A	A	٧	٥	٥	Q	A	A	O		۵	۵
	Resin 11 D	D	D	Ω	۵	۵	Q	٥	D	٥	۵		۵
	Resin 12 C	S	2	ပ	А	D	ပ	C	D	D	D	D	
										0			
Evaluation Evaluation Details	Evaluation	n Detail	S					Classification	ation				

anatory	Inatory Evaluation Details	Details	Classification
	A	Potential demand of recycled article is present	Separation by refining is possible, or application purpose for alloy is present
	В	Composite admissibility may be present if new Separate by refining is difficult, and degree of application purpose for recycled material is found accumulation (degree of urgent measure) is low	Separate by refining is difficult, and degree of accumulation (degree of urgent measure) is low
	၁	Separating is recommended, and dismantlement property needs to be increased	Although marketability is expected, no precedent of alloy is present
(O	O	Separating is recommended, and dismantlement property needs to be increased	No data

F1G. 16

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* * ** ** * * * * * ** ** ** ** ** ** * ** * ** ** ** ** ** ** ** ** * ** ** *** ** ** ** ** *** *** evaluation basic unit Energy CO2 NOx ** *** ** ** ** ** * ** *** ** ** ** ** **Environmental load** ** ** ** ** * ** ** ** * * ** ** * ** * ** * ** ** ** * * ** ** *** ** ** ** ** ** ** ** ** * ** ** ** ** ** * ** *** *** ** ** ** ** * ** * ** ** ** ** * ** ** ** Recyclability evaluation basic unit *** ** ** ** ** ** ** *** reduction ratio ** ** ** ** ** ** ** ** ** ** Collection | Process *** ** ** ** ** ** ** ** ** ** ** ** ** ** *** ** yield Incineration with power generation Incineration with heat utilization Blast furnace reducing material (for same application purpose) (for same application purpose) application purpose, cascade) Liquefaction fuel generation Open recycle (for another Solid fuel generation Simple incineration Closed recycle Closed recycle Simple landfill One-way Material recycle recycle Process classification Heat recovery Material recycle Discard

Discard/recycling process classification/basic unit database

F1G.17

Distribut	ion ratio			
Classifica	ation rank			Recycle amount Collection amount
1	2	3	4	%
Waste in)			***
Japan	Industrial			***
٠	waste	Dehydration		***
		process	Sludge	***
			Animal excrement	***
		*	Waste acid	***
			Animal and vegetable residue	***
			Waste alkali	***
	Ì	Incineration		***
		process	Building rubble	***
			Wood waste	***
			Waste plastics	***
			Waste oil	***
			Waste oil Wastepaper Waste rubber Carcass	***
			Waste rubber	***
			Carcass	***
			Waste fiber	***
		Shredding		*** *** ***
		Shredding process	Slag	
			Smoke and dust	***
		process		***

	Municipal			***
	waste	Urban		***
			Combustible	***
			Incombustible	***
			Large-sized	***
		Business		***
		garbage	Combustible	***
			Incombustible	***
			Large-sized	***

F I G. 18A

Intermediate process residue amount Collection amount	Landfill amount Intermediate process residue amount	Incineration amount Intermediate process residue amount	Landfill amount Incineration amount
%	%	%	%
***	***	***	***
***	***	***	***
***	***	***	***
***	***	***	***
***	***	***	***
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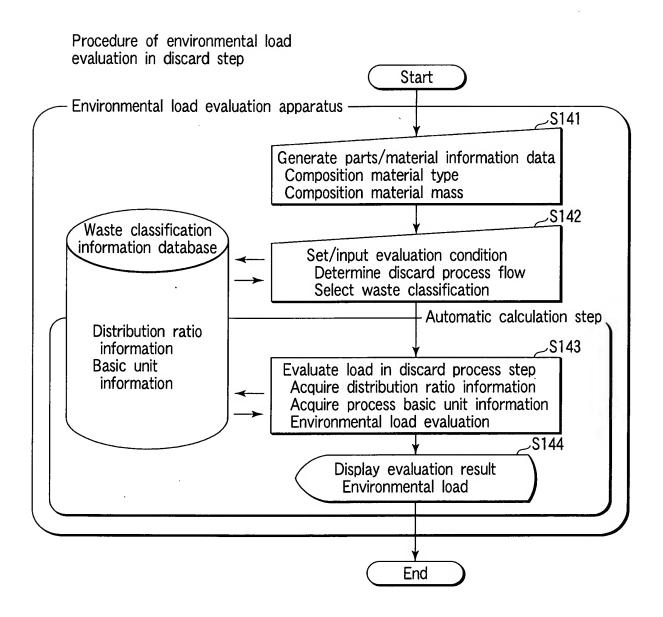


FIG. 19

R	Result output window	t window		
Recycle output condition setting	<u></u>	Prodi	Product recyclability evaluation result	tion result
Recycle range				
✓ Reuse				
✓ Material (for same application purpose)				Comparison data
✓ Material (cascade)		Product name	Product A	Product A
Chemical		Model		
(generation of chemical raw material)		Sample	Trial calculation	Trial calculation
Blast furnace reducing material/	X	Remark	Copper/iron parts	Product that is
Chemical (fuel generation)	<u></u>		disassembly	not disassembled
Solid fuel generation (RDF/RPF)		Recyclable mass	950 6	
Heat recovery		Discard mass	7	1000
(power generation/ neat utilization)		Recyclability ratio	% 36	0
Sales price		Discard/recycle cost	-50 Yen/piece	40
✓ Only collection for pay		·		
Pay/reverse charge is not taken into consideration				
Display unit Disp	olay process	Display process method unit	Main menu	

F | G. 20

	Result output window	ut window			
Recycle output condition setting		Prod	Product recyclability evaluation result	tion result	
Recycle range					
✓ Reuse					
✓ Material (for same application purpose)				Comparison data	
✓ Material (cascade)		Product name	Product B	Product B	
Chemical		Model	1	1	S
(generation of chemical raw material)		Sample	Trial calculation	Trial calculation	
Blast furnace reducing material/	Ž		case 2	case 1	
coking raw material	5	Remark	Parts are	Product that is	
Chemical (fuel generation)	†		(two parts)	not disassembled	
Solid fuel generation (RDF/RPF)					
Heat recovery		Recyclable mass	400 g	0	
(power generation/heat utilization)		Discard mass	g 009	1000	
Sales price		Recyclability ratio		0	
Caro proc		Discard/recycle cost	20 Yen/piece	40	
Unly collection for pay					
Pay/reverse charge is not taken into consideration					-
	5 1				
Display unit	Display proce	Display process method unit	Main menu		***

F G 21

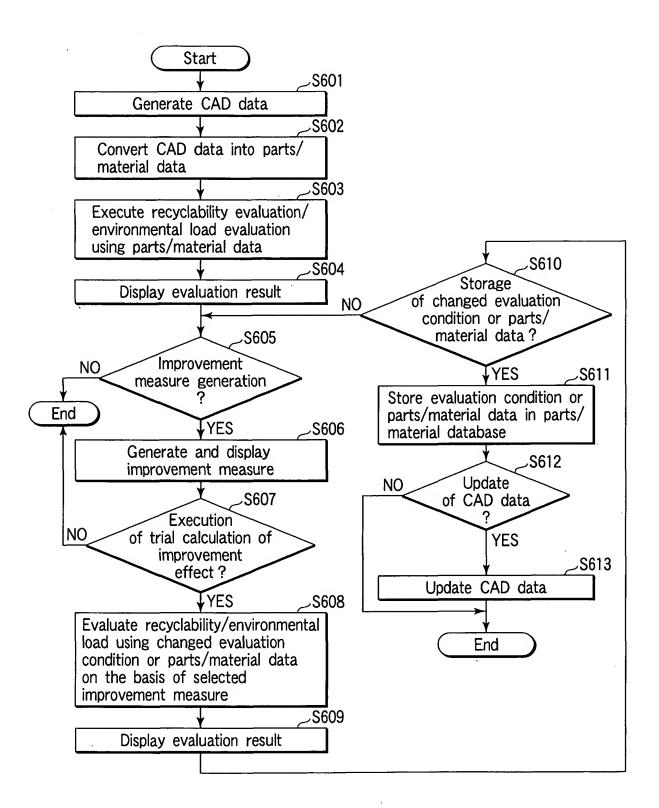
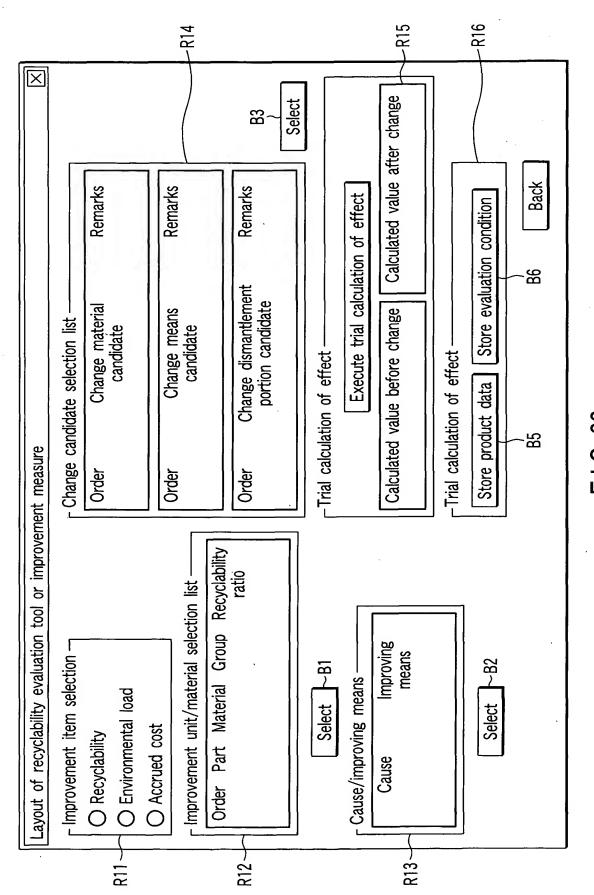


FIG. 22



F1G. 23

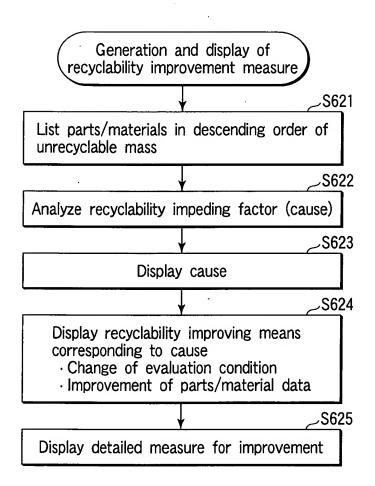


FIG. 24

	Cause check item	Cause	Change of evaluation	Improvement of parts/material data	iterial data
			condition	Cause check item	Cause check item
A1~	ls part/material unrecyclable ?	Part/material is unrecyclable	Register part/material as recyclable part/ material	Change part/material to recyclable part/material	Display parts/materials which are recyclable and have same function as that of part/material as change candidates
	Is raw material classification "others"?	Recyclability is unknown because material information is unknown	Input more detailed material information		Display standard basic information of part/material
A2~		No recycle method that can be applied to part/material is present	Newly register recycle method that can be applied to material		Display recycle methods that can be applied to part/material as change candidates
000	Does part/material contain plurality of raw materials?	Collectable materials and recyclability ratio are limited for part/material containing	Make raw materials of different kinds dismantlable and set another part/material		Display portions at which part/material dismantles
?		plurality of raw materials		Change part/material to Display raw material part/material containing compositions in part. single raw material order of mass	Display raw material compositions in part/material in descending order of mass

F1G. 25

Cause check item	Cause	Change of evaluation	Improvement of parts/material data	terial data
		condition	Cause check item	Cause check item
Does the part/material contain plurality of	It is determined as unrecyclable for part/	Make part/material dismantlable for each		Display portions at which part/material
materials?	material containing	material type to register		dismantles
	having no composite	materials		
	admissibility		Change part/material to Display material	Display material
		\	part/material containing	compositions in part/
		\	single material	material in descending
-				order of mass
			Change material having	Display materials with
			no composite	composite admissibility
		\	admissibility to material	with another material as
		\	with composite	change candidates
			admissibility	

F1G 26

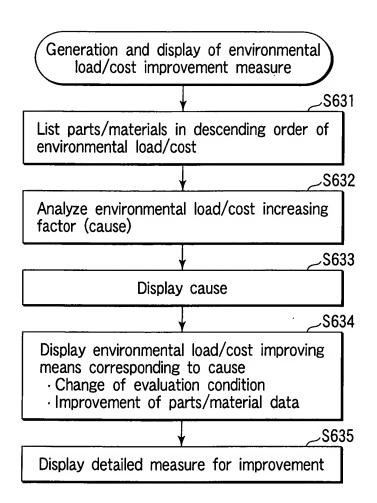


FIG. 27

Cause check item	Cause	Change of evaluation condition	Parts/material data improving means	Support to lay out detailed improvement measure
Is step having high environmental load (cost) recycling process step?	Recycling process with high environmental load (cost) is executed	Select process with low environmental load (cost) from selectable recycling processes		Display recycling methods that can be applied to part/material as change candidates in ascending order of environmental load (cost)
			Change part/material to part/material to which process with low environmental load (cost) can be applied	Display parts/materials having same function as that of part/material as change candidates in ascending order of environmental load (cost) of recycling method that can be applied to parts/materials
				Display portions at which part/material dismantles as text data or image data

F | G. 28

Cause check item	Cause	Change of evaluation condition	Parts/material data improving means	Support to lay out detailed improvement measure
Is step having high environmental high environmental load (cost) transport step? (cost) is executed	Transport with high environmental load (cost) is executed	Select means with low environmental load (cost) from selectable transport means		Display transport means that can be applied to part/material as change candidates in ascending order of environmental load (cost)
			Change part/material to part/material to which transport means with low environmental load (cost) can be applied	Display parts/materials having same function as that of part/material as change candidates in ascending order of environmental load (cost) of transport means that can be applied to parts/materials
				Display portions at which part/ material dismantles as text data or image data
· · · · · · · · · · · · · · · · · · ·			Change part/material to part/material which can be transported to transport destination	Change part/material Display parts/materials having same to part/material which function as that of part/material in can be transported to ascending order of environmental transport destination load for transport until transport
			with low environmental load (cost)	destination

F G 29

		<u> </u>		
Support to lay out detailed improvement measure	Display dismantlement means that can be applied to part/material as change candidates in ascending order of environmental load (cost)	Display parts/materials having same function as that of part/material as change candidates in ascending order of environmental load (cost) of dismantlement means that can be applied to parts/materials	Display portions at which part/ material dismantles as text data or image data	Display portions at which part/ material dismantles as change candidates in ascending order of environmental load (cost)
Parts/material data improving means		Change part/material to part/material to which dismantlement means with low environmental load (cost) can be applied	·	
Change of evaluation condition	Select means with low environmental load (cost) from selectable dismantlement means			Divide disassembly level
Cause	Dismantlement with high environmental load (cost) is executed			
Cause check item	Is step having high environmental load (cost) dismantlement step?			

F G 30

	First table						
	Part/ material name	Recyclability	Applicable recycling method	Environmental load/cost	Presence/absence of connection (joint) portion	· · · · · ·	Presence/absence of designation of transport means
					·		
F1G.31	31						
	Second table						
	-Part/ material name	Connection portion	Dismantle ability	Connection method	Dismantlement method	Environmental load/cost	
				<u>,</u>			
F1G.32	32		1				
	Third table						
	Part/ material name	Transport means	Environmental load/cost				
F1G 33	33						

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Fourth table

Function	Part/ material name

F I G. 34

Fifth table

Part name		Composition	n material	
ran name		Material type	Mass (g)	Density (g/m ³)
Part A	Metal	Metal (1-1-2) Metal (1-1-3)	250 20	
Part B	Metal	Metal (2-2-1) Metal (2-2-2)		10 20

FIG. 35

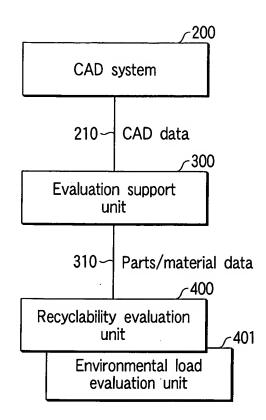


FIG. 36

Number	Recycle condition
1	No resin closed recycle, non-recycle part = part E
2	ABS for closed recycle, non-recycle part = part E
3	PS for closed recycle, non-recycle part = part E

FIG. 39

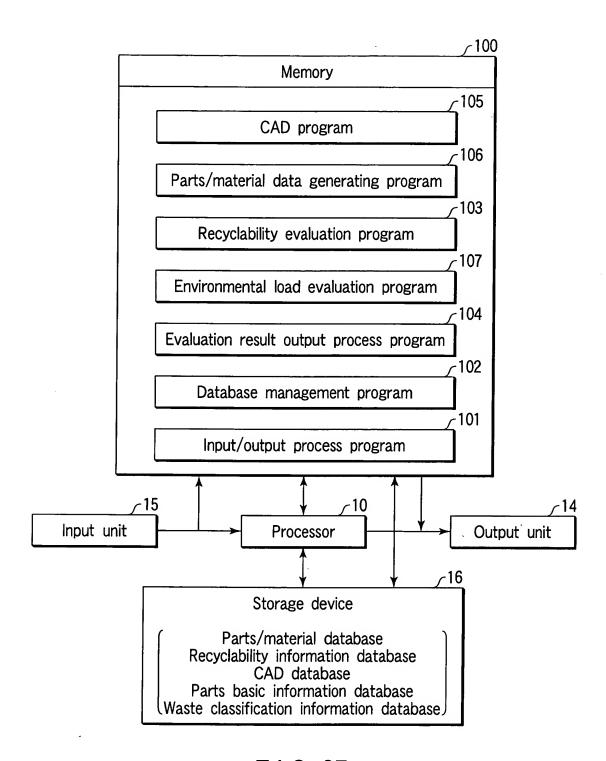


FIG. 37

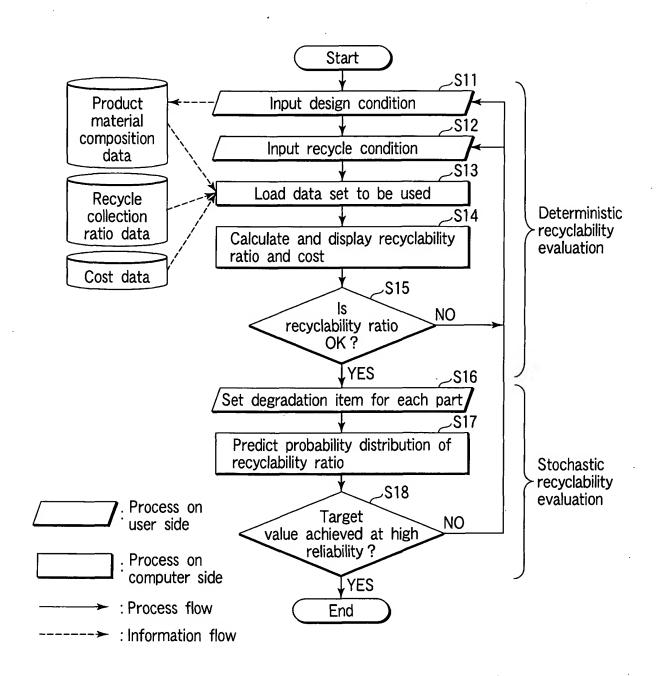


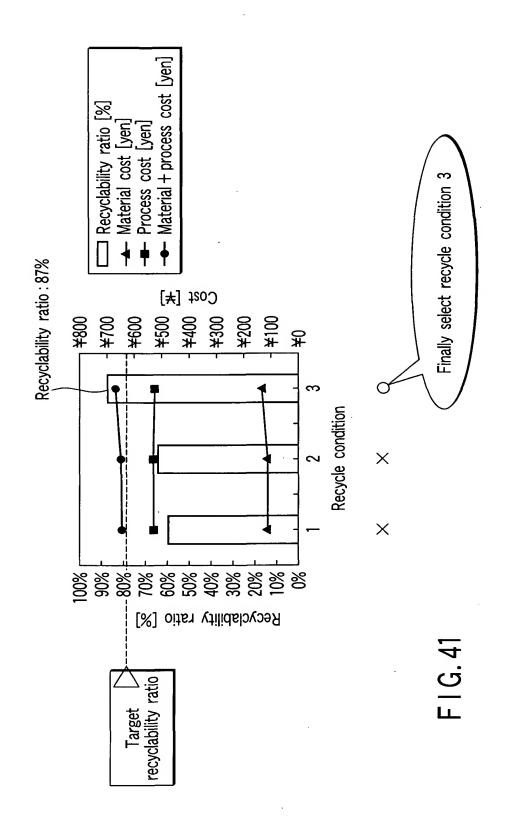
FIG. 38

Non-recycle part		<u> </u>				1) (S)
Non recycle part		Part A	Part B	Part C	Part D	Part E	Part F	Part G	Part H	Presence/absence resin closed recycle
Material name	Mass [g]		-							resin (
Steel	709	. 5	90		15		95	500	4	JCe
Copper alloy	31		6				5	20		psel
Aluminum alloy	43		2					24	- 18	e/a
Other metals	4								4	senc
•										Pre
	0									+
Epoxy resin	32					30		2		Ν
Polyethylene	0									N
Polystylene	0									N
Forming polystylene	0									N
AS resin	0									Ν
ABS resin	79				56		23			N
Polypropylene	424	19		2	1	2	400			Υ
Vinyl chloride resin	20						20			N
Polycarbonate	. 0					<u></u>				Ν
Other resin products	3			2	1			<u> </u>		N
Rubber	1						1			
Glass	0									
Corrugated fiberboard	0									
Paper	0									
Conductor	138		38				9	67	24	
Semiconductor	25					20			5	
Other electronic parts	10					10				
Other electronic parts										•
Others	2				0		2			

F I G. 40A

Recycle collection ratio [%]	Average collection unit price [yen/kg]	Average material unit price [yen/kg]
100%	-7	88
100%	-125	458
100%	-150	543
0%	0	723
0%	35	340
100%	42	397
100%	50	147
0%	78	197
100%	27	279
100%	23	217
100%	70	284
100%	25	141
100%	- 25	131
0%	35	458
0%	0	370
100%	-10	299
0%	0	57
0%	0	137
80%	-14	1,454
0%	0	53
0%	0	8,100
0%	0	

Intermediate process unit price [yen/kg]	27
Transport unit price [yen/kg]	46
Landfill unit price [yen/kg]	30

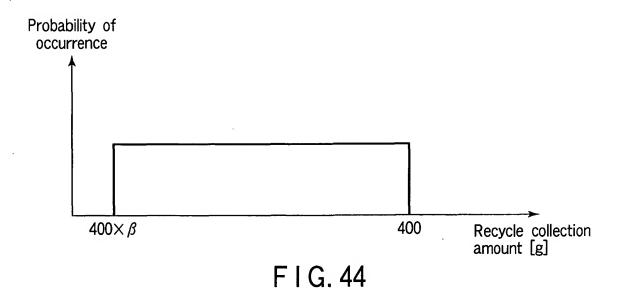


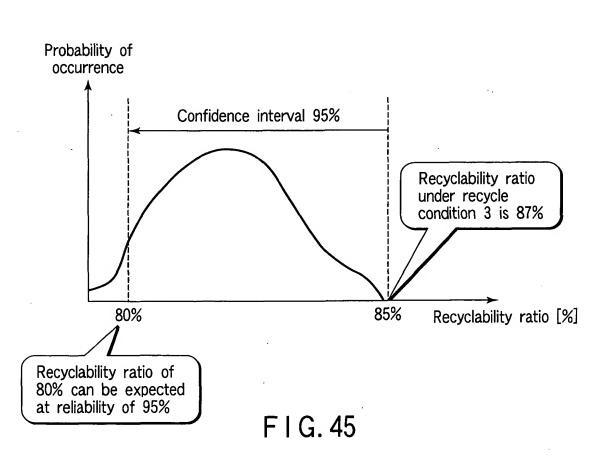
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Degradation	Thermal degradation								
factor	Chemical degradation		1		1		1		
	Photo-degradation	1	1	1	1	1	1	1	
Part composit	Part composition of product	Part A	Part B	Part C	Part D	Part E	PartF	Part A Part B Part C Part D Part E Part G Part H	PartH

	Part recycle collection amount	amount	
Number of degradation factors applied	Minimum value	Maximum value	Probability distribution shape
0	= Maximum value	Mass of corresponding resin in each part Uniform	Uniform
	= Maximum value * α	= Maximum value * α Mass of corresponding resin in each part Uniform	Uniform
2	= Maximum value * β	= Maximum value * β Mass of corresponding resin in each part Uniform	Uniform
3	= Maximum value * γ	= Maximum value * γ Mass of corresponding resin in each part Uniform	Uniform

For $0 \le \alpha$, β , $\gamma < 1$ F | G. 43





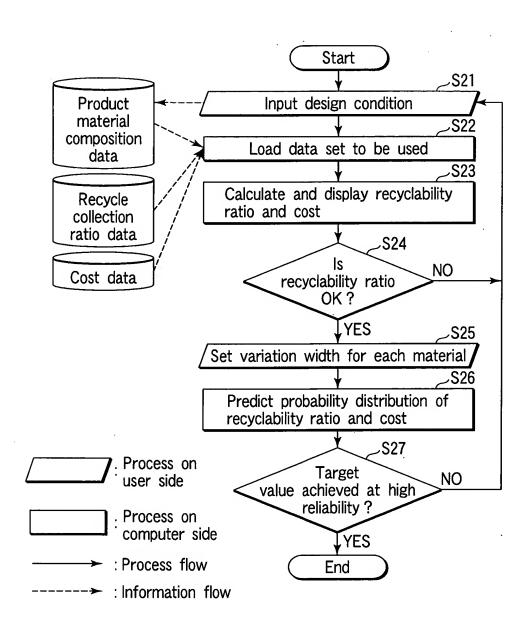


FIG. 46

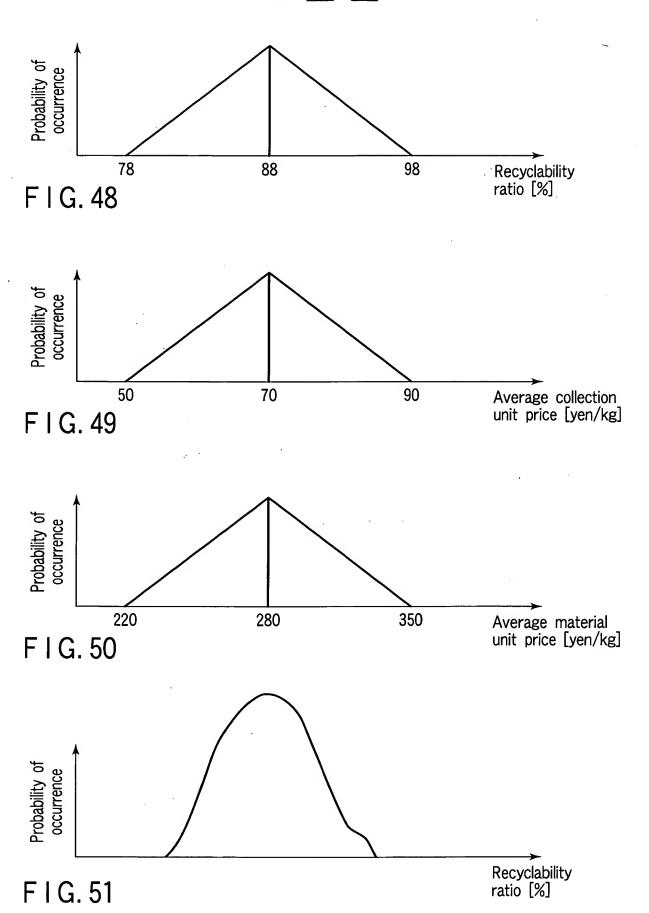
Material name	Mass [g]
Steel	709
Copper alloy	31
Aluminum alloy	43
Other metals	4
	0
Epoxy resin	32
Polyethylene	0
Polystylene	0
Forming polystylene	0
AS resin	0
ABS resin	79
Polypropylene	424
Vinyl chloride resin	20
Polycarbonate	0
Other resin products	3
Rubber	1
Glass	0
Corrugated fiberboard	0
Paper	0
Conductor	138
Semiconductor	25
Other electronic parts	10
Others	2

Recycle collection ratio [%]	Average collection unit price [yen/kg]	Average material unit price [yen/kg]
100%	-7	88
100%	-125	458
100%	-150	543
0%	0	723
0%	35	340
100%	42	397
100%	50	147
0%	78	197
100%	27	279
100%	23	217
100%	70	284
100%	25	141
100%	25	131
0%	35	458
0%	. O	370
100%	-10	299
0%	0	57
0%	0	137
80%	-14	1,454
0%	0	53
0%	0	8,100
0%	0	

Total 1520

Intermediate process unit price [yen/kg]	27
Transport unit price [yen/kg]	46
Landfill unit price [yen/kg]	30

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